

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/805,991	SAKAMOTO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Lance W. Sealey	2671	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE of 9 February 2005.
2. ☒ The allowed claim(s) is/are 8, 15, 16, 20, 28, 35, 36, 40, 45, 52, 63, 64, 66, 68, 70 and 72.
3. ☒ The drawings filed on 15 March 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date <u>20050209</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____.</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
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**REASONS FOR ALLOWANCE**

The following is an Examiner's Statement of Reasons for Allowance: No prior art anticipates or suggests, in a map display device/method for converting externally provided communications information into an applicable object model for arrangement on a map image, an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image, wherein the object model display information comprises information about the shape of the at least one object model and information about behavior in time and space of the at least one object model, and wherein the information about behavior in time and space of the at least one object model is described in an object-oriented interpreter language not needing compilation (claim 8); a time information storage part for storing time information corresponding to a position of a mobile unit which moves according to a schedule on a predetermined route, wherein said map data arranging part refers to the time information to create the at least one object model to correspond to the mobile unit for arrangement on the map image (claim 15); a ticket information storage part for storing ticket information corresponding to a ticket used for paying a fare for a predetermined chargeable section, wherein said map data arranging part generates the ticket information stored in said ticket information storage part when the ticket is purchased, the ticket information includes information about an expiration date of the ticket, and said map data arranging part refers to the information about the expiration date of the ticket, and if the expiration date is

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approaching, creates a message for display on said display part (claim 20); a map data arranging process of creating at least one object model having a shape which allows the user to understand content of the communications information by interpreting the communications information and corresponding object model display information for displaying the at least one object model at a position on the map image based on the communications information, said map data arranging process comprises creating the at least one object model corresponding to a mobile unit for arrangement on the map image by referring to time information corresponding to a position of the mobile unit moving on a predetermined route according to a schedule (claim 52), the communications information includes under-construction information including information indicating a road under construction, and said map data arranging part arranges the at least one object model representing construction in a region of the map image corresponding to the road under construction (claim 63); an input part for receiving an instruction from a user; a map data storage part for storing map data; a communications part for receiving the communications information, the communications information including, information which varies in real time; and a display part for displaying a resultant map image including the map image and the at least one object model obtained by said map data arranging part, wherein the communications information includes accident information including information indicating a site of an accident, and said map data arranging part arranges the at least one object model as a wrecked vehicle representing a traffic accident in a region of the map image corresponding to the site of the accident (claim 66), said map data arranging part arranges a plurality of object models representing vehicles in the

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region of the map image corresponding to the specific parking lot (claim 68), said map data arranging part changes the communications information based on the ticket information (claim 70). Further, no prior art anticipates or suggests a navigation device for converting externally provided communications information into an applicable object model for arrangement on a map image and providing guidance to a destination, said navigation device comprising an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content off the communications information on the map image, the object model display information comprising information about the shape of the at least one object model and information about behavior in time and space of the at least one object model, and the information about behavior in time and space of the at least one object model is described in an object-oriented interpreter language not needing compilation (claim 28); a time information storage part for storing time information corresponding to a position of a mobile unit which moves according to a schedule on a predetermined route, wherein said map data arranging part refers to the time information to create the at least one object model to correspond to the mobile unit for arrangement on the map image (claim 35); a ticket information storage part for storing ticket information corresponding to a ticket used for paying a fare for a predetermined chargeable section, wherein the ticket information includes information about an expiration date of the ticket, and said map data arranging part refers to the information about the expiration date of the ticket, and if the expiration date is approaching, creates a message for display on said display part (claim 40); a guiding part for providing the guidance to the destination in

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response to the communications information received by said communications part, the route selected by said route selection part, the current position detected by said position detection part, and the map data provided by said map data storage part, and outputting a resultant map image including the map image and the at least one object model obtained by said map data arranging part, and said guiding part compares, at least, the predetermined routes on which the available vehicles move with the route to the destination selected by said route selection part, and determines whether the available vehicles are appropriate (claim 45), said guiding part changing the communications information based on the ticket information (claim 72).

Claim 16 is allowed because it depends on claim 15. Claim 36 is allowed because it depends on claim 35. Claim 64 is allowed because it depends on claim 63.

The applicants, in their withdrawal from issue of this application, sought consideration of four references in an Information Disclosure Statement. One of these, Japanese Publication No. 10-123943 ("10-123943"), disclosed an element which at first seemed similar to applicants' claim 63 ("the communications information includes under-construction information including information indicating a road under construction"). However, 10-123943 only indicates that a road is closed, while this application disclosed that a road is under construction (i.e., why the road is closed). Consideration of these IDS references, along with the results of a new search, lead the examiner to conclude that this application is still allowed.

Any comments considered necessary by the applicant must be submitted no later

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than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the Office should be directed to the examiner, Lance Sealey, whose telephone number is (571) 272-7649. He can be reached from 7:00 am-3:30 pm Monday-Friday EDT.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Zimmerman, can be reached at (571) 272-7653.

**Any response to this action should be mailed to:**

MS Issue Fee

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**or faxed to:**

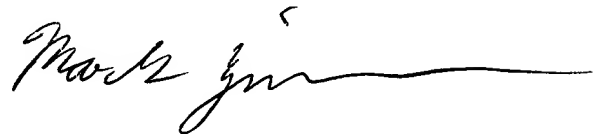
**(703) 872-9306**

Hand-delivered responses should be brought to the Customer Service Window of the Edmund Randolph Building, 401 Dulany Street, First Floor, Alexandria, VA 22314.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Mark Zimmerman", with a long horizontal flourish extending to the right.

MARK ZIMMERMAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600